

TRAINING CENTER MANAGEMENT SYSTEM



DAFFODIL INTERNATIONAL UNIVERSITY

DHAKA, BANGLADESH

JANUARY 2021

AN INTERNSHIP PROJECT REPORT
ON
TRAINING CENTER MANAGEMENT SYSTEM

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In Partial Attainment of the Requirements for the Degree of Bachelor
of Science in Computer Science and Engineering

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DHAKA, BANGLADESH
JANUARY 2021

APPROVAL

This Internship Project titled "TRAINING CENTER MANAGEMENT SYSTEM", submitted by JUANA AKTER JUI, ID No: 152-15-561 to the Department of Computer Science and Engineering, daffodil International University has been accepted as well for the biased achievement of the requirements for the degree of Bachelor of Science in Computer Science and Engineering and approved as to its form and implications. The presentation will be held on Tuesday 19 January 2021.

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DECLARATION

This is to notify that the internship project titled "TRAINING CENTER MANAGEMENT SYSTEM" has been done by me. I also acknowledge that no part of this project has not been duplicated.

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“All praises are due to Almighty Allah”

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I am also thankful to AGEMARK TECHNOLOGY LTD. for giving me this opportunity to do my internship in this software company. Specially, thanks to my internship supervisor Mr. Sheikh Imran of AGEMARK TECHNOLOGY LTD, who assigned me in this project, also assisted me a lot and helped me in every step in the organization for the preparation of this project.

I would like to thank them because it would have been very difficult to complete the project without their support.

Finally, I want to thank my parents for their constant support and patience.

ABSTRACT

My project title is Training Center Management System. This project will help people to get the greatest job security and convenience for betterment. The focus of training systems has been on trainees. Training center management system to execute proficiency requirements and promote concatenation planning. Appraisal systems to assure that trainees get the significant knowledge, skills and capabilities and so forth. In other words, to assure that trainees are doing things properly. For doing these activities I have used CodeIgniter PHP framework, JAVASCRIPT, HTML, CSS, Bootstrap in window Operating System. This project inspects a new feature to make it more fascinating.

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CHAPTER-1

INTRODUCTION

1.1 Introduction

I have tried my best to make the difficult case of training management system as easy as I can by using structured and standard techniques. I have tried to design this project in such a way that users may not have got trouble while they are using this package. The Training Center Management System (TCMS) is an efficiency software which helps organization meet its trainee proficiency needs. TMS strengthens training management system of institutions. It methodizes training curriculums, schedules, training delivery, grading, records and training history. A TCMS observes of over-all training objectives and typically handles session registration, course administration, tracking, efficient monitoring. TCMS can be counter-parted by other schooling technologies like e-learning management and course delivery. A TCMS can provide your organization informative functionalities such as recordkeeping, grading, history and reporting all in one amendable system. Simply put, reckless of the volume of your trainees, training courses, or the complexity of those courses, A TCMS can handle it successfully.

1.2 Project Motivation

Training is significant not only from the perspective of organization, but also, for the trainees. Training is important to the trainees because it will give them higher job security and convenience for betterment. Training management system afford a comprehensive passage for students to see improvement after the end of each section. With a team of extremely devoted and quality lecturers, training management system will not only be a station to serve knowledge but also to help trainees get energized to seek and explore many creative ideas from themselves. Clear and detailed training approaches for each lesson will assure that trainees can gather and apply knowledge into exercise easily. The teaching gadgets of training management system are protected to be the most complete and intuitive.

1.3 Objectives

People in our country are often unable to work in the job sector as per their expectations due to lack of proper knowledge, guidelines and facilities. In that context, training center management system increases the knowledge and skills of those trained to capable them to do their jobs better. It involves systematic scheme for transferring technical knowledge how to people boost their knowledge and skills for doing specific jobs with efficiency.

1.4 Contribution

Training keeps a significant role in human resource segment. It is necessary, useful and productive for all categories of trainees and supervisory staff. Here go some benefits are: -

- Training helps in optimizing the utilization of human resources that further helps people to reach the organizational as well as their individual goals.
- Training helps in increasing the job knowledge and skills of trainees at each level. It helps to expand the horizons of human wisdom and an overall personality of the trainees.
- Training helps in increasing productivity of the trainees that helps organization to achieve its long-term targets.
- Training helps in counting the sense of team-work, team spirit, and inter-team collaborations.
- Training assists in improving upon quality of work and work-life.
- Easily monitor proficiency needs of trainees.

1.5 Summary

In this chapter, my objectives come very clear and I described how I developed my total system.

CHAPTER 2

LITERATURE REVIEW

2.1 Introduction

In this online training center management system is a web-based project, we use visual studio, SQL server for edit, and construct code for the backend and I use an HTML theme for the front end and the dashboard I use the CodeIgniter framework. We can manage training, knowledge, job and college. We can also initiate reports. You can run this project in XAMP, WAMP etc.

2.2 Development platform

This project is mainly based on PHP and MySQL database. It is a web based to be developed in PHP, CodeIgniter framework, HTML, CSS, jQuery and Bootstrap.

2.3 Database Platform

The database is a platform where all the data is accumulated here, the projector model and the regulative, through the model. There are numerous types of databases. In this project, we have used SQL Server 2014. In evaluating, SQL server is a cogent database management system, directly presumed by Microsoft. As a data organizer, it's a software package on the elemental task of keeping and thinking information for requested by other programs that may run either about the same pc or on an extra pc.

2.4 Types of users

They are two types of users in this Training Center Management System: -

- Trainees or Users- Trainees are the one who receive the training. Trainees will be able to view their course details, finish the courses, allocate their assignments and estimate their progress.

User can able to do these actions:

1. Register
2. Login
3. User functionalities
4. Payment
5. Logout

- Administrators- Administrator is accountable for managing the training center management system. Which relates to create courses and learning schemes, assign courses to trainees, track your training improvement. Admin can able to do these actions:

1. Login
2. Change password
3. Admin functionalities
4. Logout

2.5 Scope

The Scope of the project is that in a very short span it provides users with many facilities. It provides elegant management of training in online. The main objective of this project is to provide practical knowledge to its trainees so that they can able to do their jobs with proficiency and they do not lag behind in their actions. It makes people's lives so much easier, exceptionally if someone is a newcomer. A TMS is a perfect mechanism for all kinds of training. You can watch the development of each member and finally they will be to reach their destination.

CHAPTER 3

METHODOLOGY

3.1 Introduction

I discuss here requirement assortment and analysis policy. I also discuss here this project's use-case model and some of the logical data model.

3.2 Hardware requirement specification

- Processor Speed: Standard processor with a speed of 1GHz or above
- Standard color monitor
- RAM: 1 GB RAM
- Hard Disk: 20 GB hard disk
- Processor: Intel dual core
- Standard keyboard

3.3 Software requirement specification

In our system we just use some technology to develop.

Those are:

- Internet Browser
- My SQL Server 2014
- Text Editor (ex: notepad++, sublime Text)
- Visual studio2015(Asp.net) CodeIgniter Framework
- PHP, CodeIgniter, Bootstrap, HTML & CSS
- MS Office

3.4 UML diagram

In this chapter I will discuss as regards UML diagram. About that point, there are various types of UML diagrams.

3.5 Use-case diagram

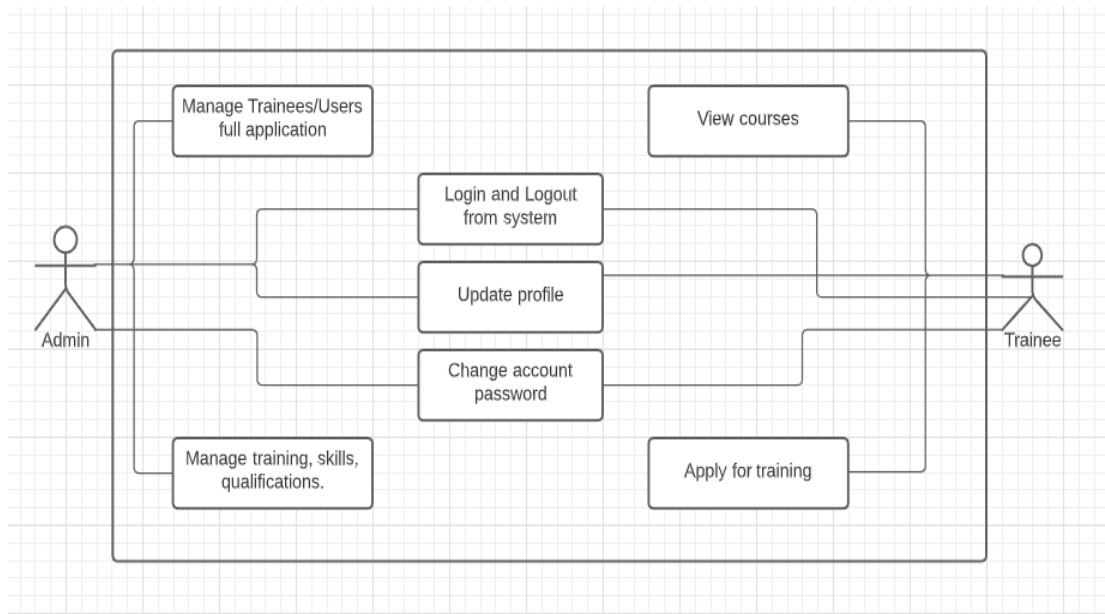


Figure: Use-case diagram of training center management system.

3.6 Data Flow Diagram

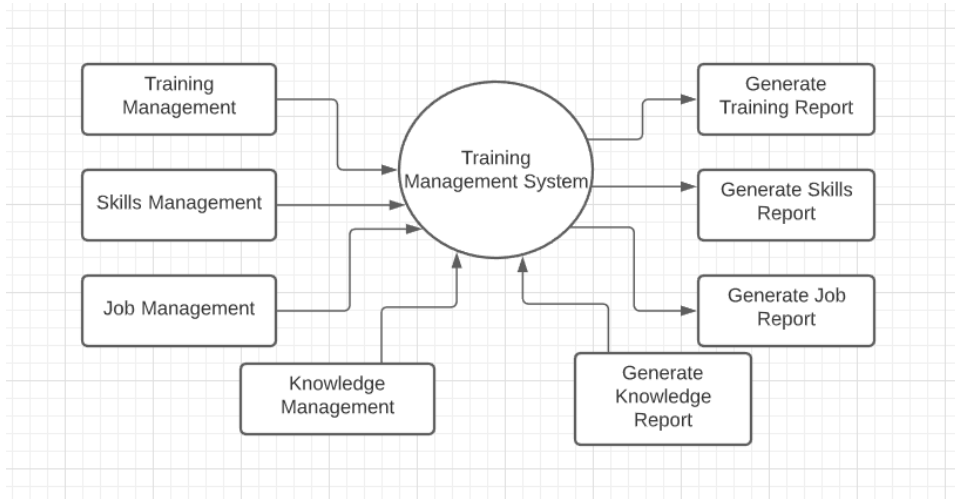


Figure: Data Flow diagram of training center management system.

3.7 Er-diagram of the system

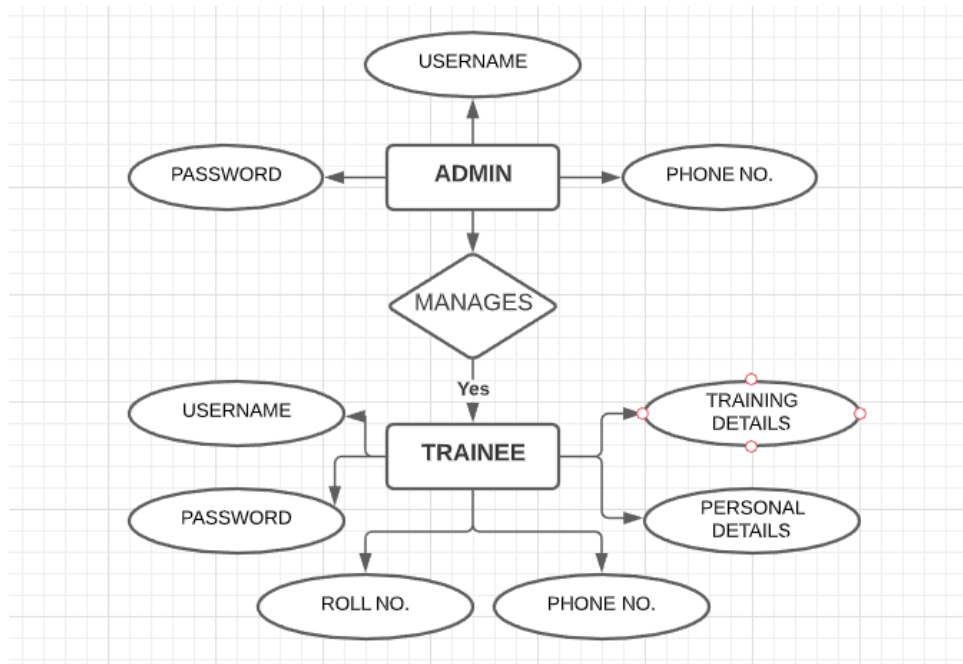


Figure: Er-diagram of training center management system.

3.8 Summary

In this part or section, I examined the full proceed utilizing the UML diagrams. I likewise portrayed them exaggeratedly.

CHAPTER 4

DESIGN SPECIFICATION

4.1 Front-end design

I have used this section html that describes the structure of this website and CSS that displays subject. I also use bootstrap for making my website faster and easier.

4.2 Back-end design

In this part I use PHP to make my website dynamic and I also use CodeIgniter framework that can be seen by Admin panel and User dashboard.

4.3 Admin Log In page

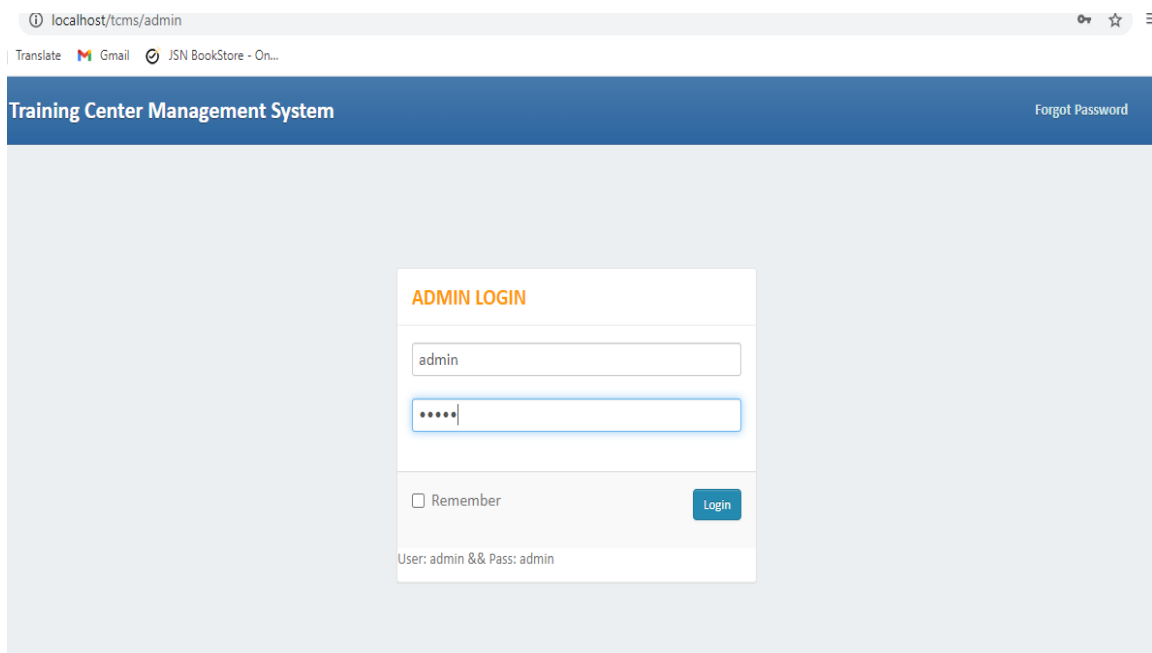


Figure: Admin login page of training center management system.

4.4 Admin Dashboard

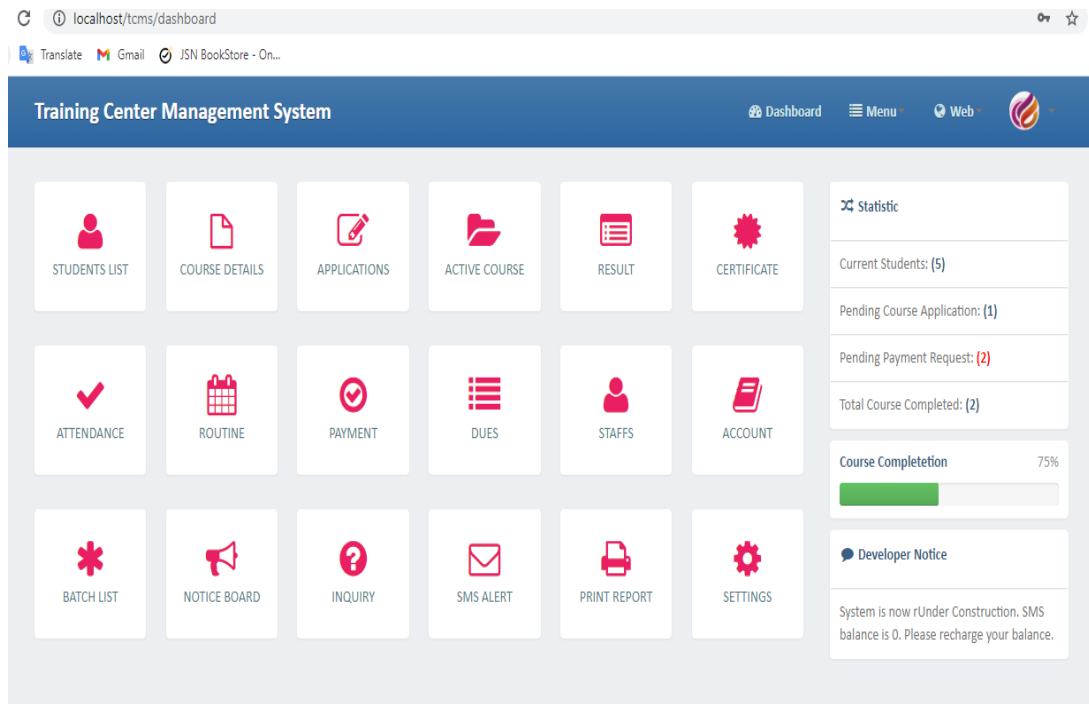


Figure: Admin and Dashboard.

4.5 Front Page

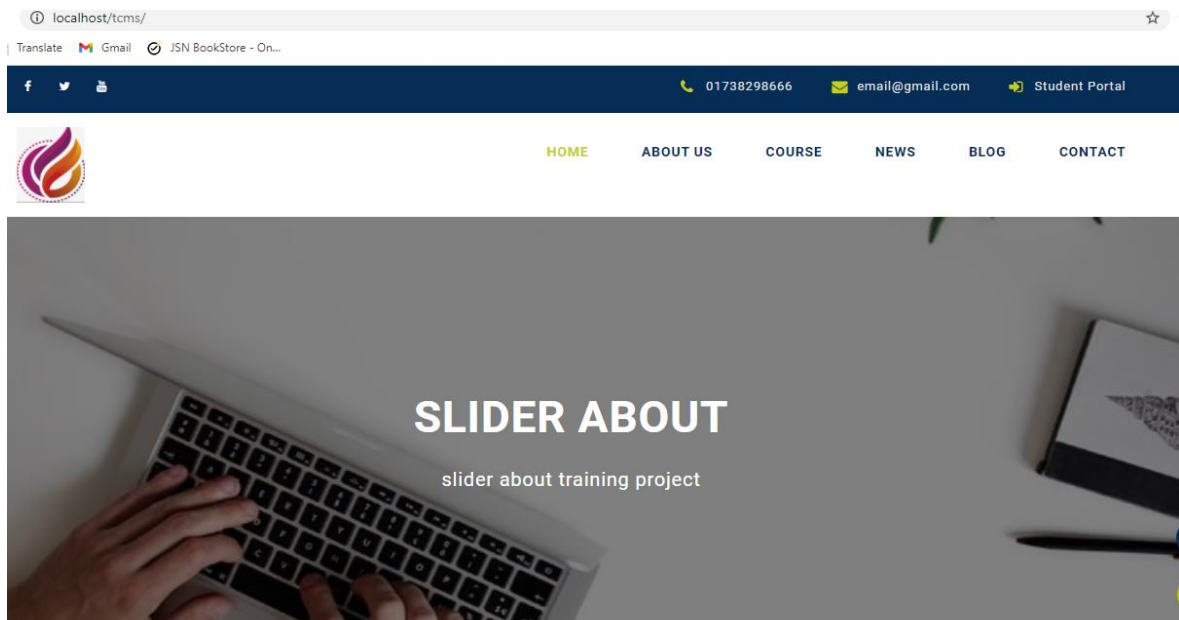


Figure: Front Page.

4.6 About Us

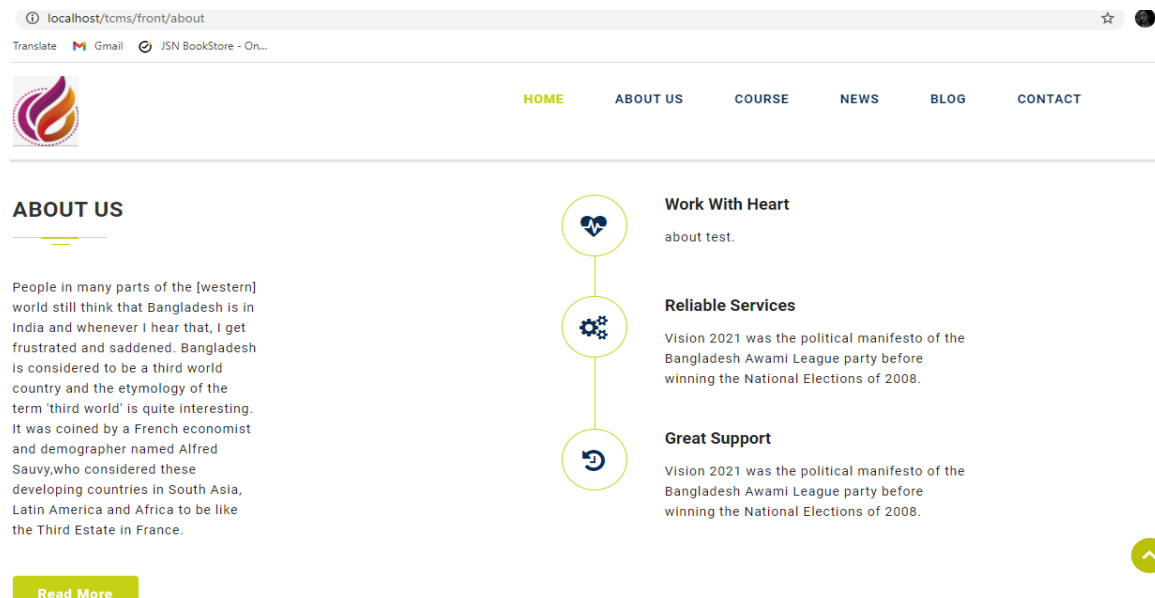


Figure: Front-page and About Us.

4.7 Course Info.

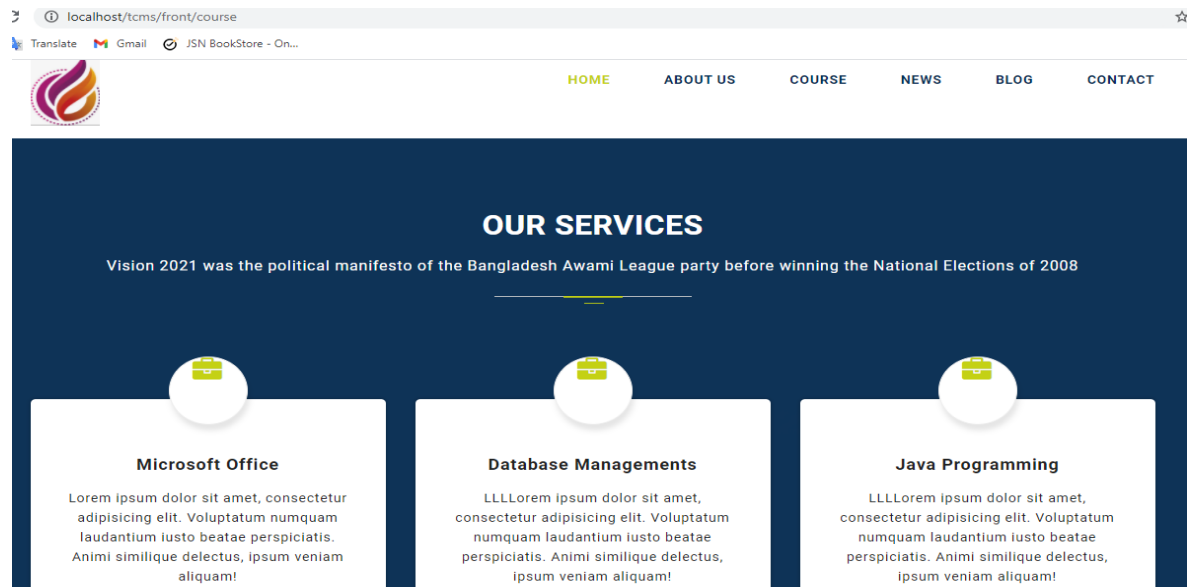



Figure: Front-page and Course Page.


4.8 Contact Page


localhost/tcms/front/contact


Translate Gmail JSN BookStore - On...

 [HOME](#) [ABOUT US](#) [COURSE](#) [NEWS](#) [BLOG](#) [CONTACT](#)

CONTACT INFO

 524654215245

 email@gmail.com

 saver

GET IN TOUCH

Name :

Email :

Message :

[Send Now](#)


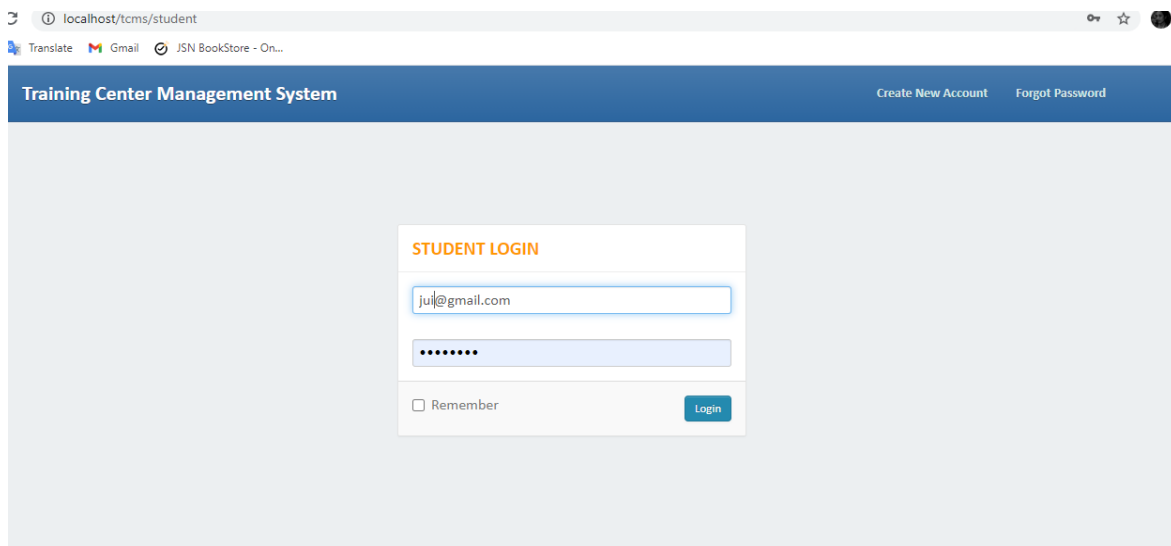


Figure: Contact Page

4.9 Student Log In page



The screenshot shows a web browser window with the address bar displaying 'localhost/tcms/student'. The browser's address bar also shows search engines like Translate, Gmail, and JSN BookStore. The page title is 'Training Center Management System'. In the top right corner, there are links for 'Create New Account' and 'Forgot Password'. The main content area features a 'STUDENT LOGIN' form. The form has two input fields: the first contains the email address 'juj@gmail.com' and the second contains a masked password '.....'. Below the password field is a checkbox labeled 'Remember' and a blue 'Login' button.

Figure: student log in page

4.10 Student Dashboard

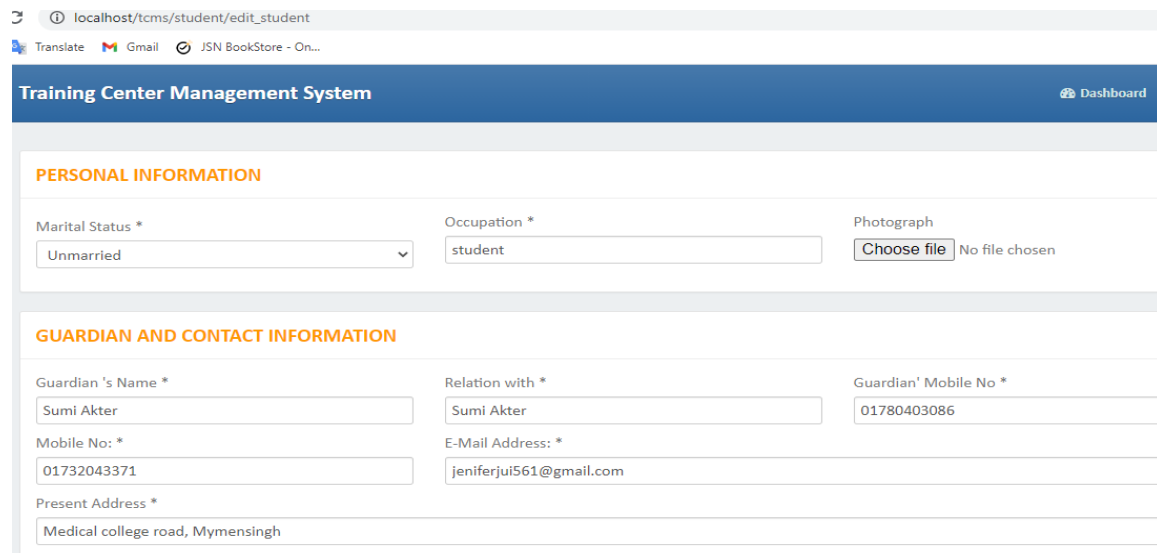
The screenshot displays the 'Training Center Management System' student dashboard. The browser address bar shows 'localhost/tcms/student/dashboard'. The page header includes 'Training Center Management System' and a 'Dashboard' link with a user profile icon. The main content area features a navigation menu with 'PROFILE', 'PREVIOUS COURSE', 'FEES RECORD', 'INQUIRY HISTORY', and 'Routine'. The profile section shows the following details:

Students Name's ID: 29	Student's Name: jui akter	Sex: Female
Date of birth: 2020-11-10	Occupation: student	Religion: Islam
Father's Name: sdfg	Mother's Name: dsdfsd	Guardian's Name: Sumi Akter

Below the profile information is a 'Note' field. Underneath is a table titled 'RUNNING COURSE' with the following columns: COURSE NO., BATCH, COURSE TITLE, DURATION, FROM DATE, TO DATE, and FEE. The table is currently empty. On the right sidebar, there are four action buttons: 'Apply New Course', 'Payment', 'Inquiry', and 'Update Information'.

Figure: Student Dashboard.

4.11 Update information of Student Portal



localhost/tcms/student/edit_student

Translate Gmail JSN BookStore - On...

Training Center Management System [Dashboard](#)

PERSONAL INFORMATION

Marital Status * Occupation * Photograph No file chosen

GUARDIAN AND CONTACT INFORMATION

Guardian 's Name * Relation with * Guardian' Mobile No *

Mobile No: * E-Mail Address: *

Present Address *

Figure: Update information of student form page.

4.11 Page of Student's Course List

The screenshot displays the 'Training Center Management System' interface. At the top, there is a navigation bar with the system name and a 'Dashboard' link. Below this, the 'COURSE LIST' section is visible. It features a search bar and a dropdown menu set to '10 entries'. The main content is a table with the following data:

COURSE ID	COURSE TITLE	DURATION	COURSE FEE
7	Microsoft Office	6	4500.00
8	Database Managements	4	48000.00
12	Java Programming	4months	12300.00
13	C Programming	4months	2500.00

At the bottom of the table, it indicates 'Showing 1 to 4 of 4 entries'.

Figure: Student's Course List page.

4.12 Student's Payment form page

The screenshot shows a web browser window with the URL `localhost/tcms/student/payment`. The browser's address bar and tabs are visible at the top. Below the browser window, a blue header bar contains the text "Training Center Management System" on the left and a "Dashboard" link on the right. The main content area is a light gray background. In the center, there is a white form titled "PAYMENT" in orange. The form contains three input fields: "Paid Amount" (a text input), "Methods" (a dropdown menu with "Select" and a downward arrow), and "Transaction ID" (a text input). Below these fields is a blue "Done" button.

Figure: Student's Payment form page.

4.13 Student Inquiry page

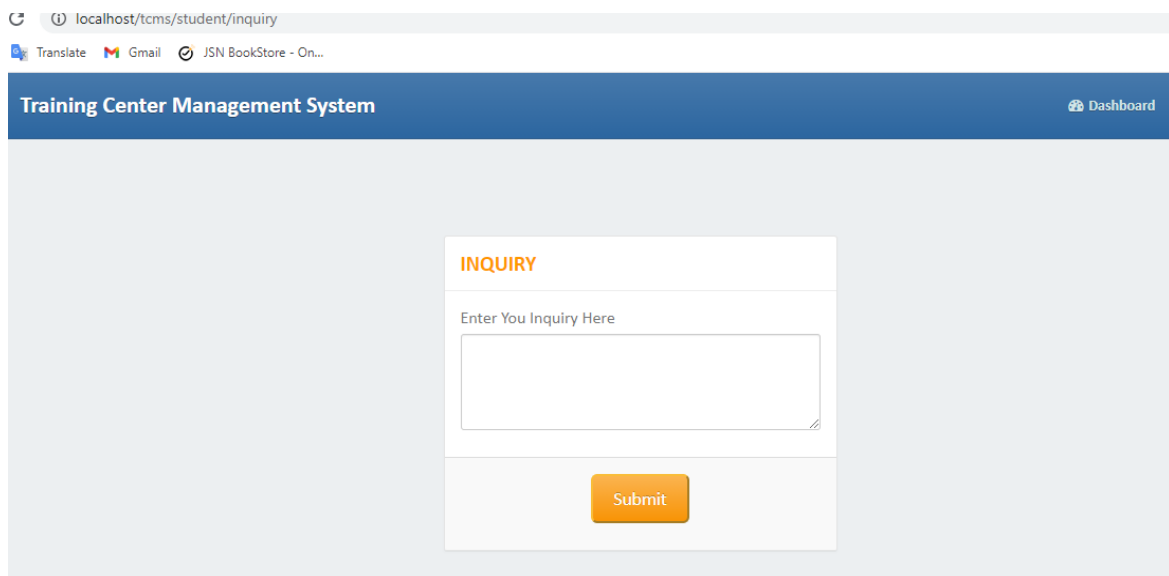
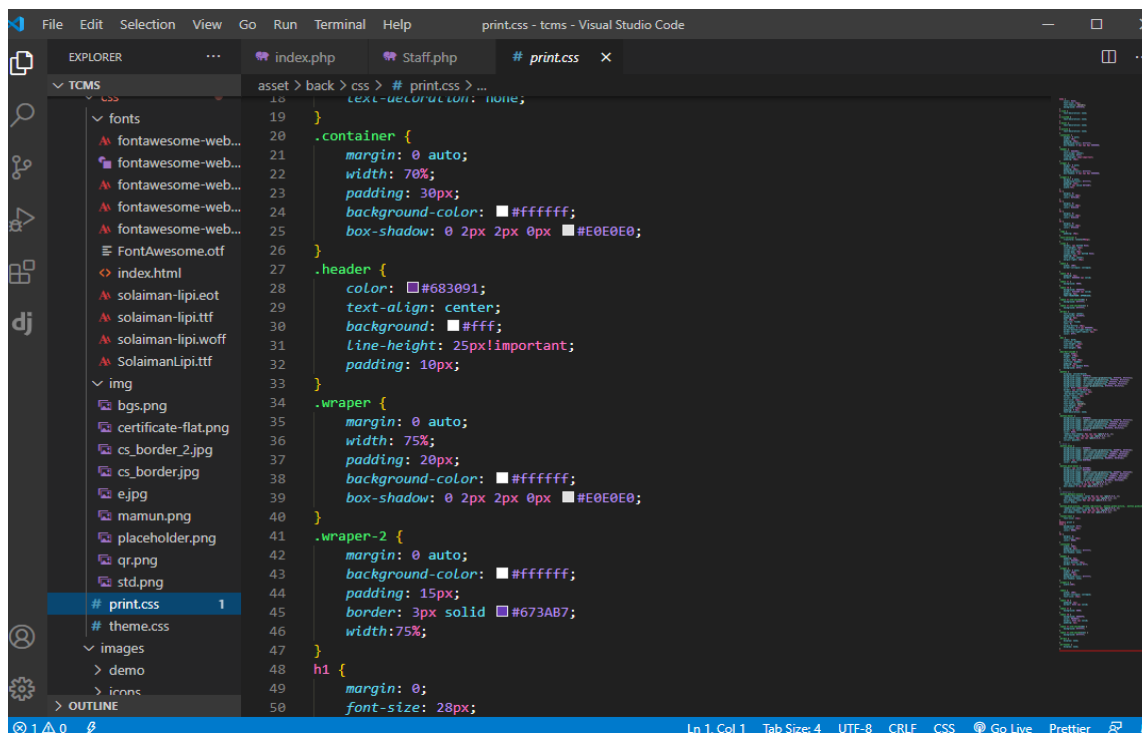


Figure: Student Inquiry page.

4.14 Screenshots of some code



```
16 text-decoration: none;
17 }
18
19 }
20 .container {
21     margin: 0 auto;
22     width: 70%;
23     padding: 30px;
24     background-color: #ffffff;
25     box-shadow: 0 2px 2px 0px #E0E0E0;
26 }
27 .header {
28     color: #683091;
29     text-align: center;
30     background: #fff;
31     line-height: 25px!important;
32     padding: 10px;
33 }
34 .wrapper {
35     margin: 0 auto;
36     width: 75%;
37     padding: 20px;
38     background-color: #ffffff;
39     box-shadow: 0 2px 2px 0px #E0E0E0;
40 }
41 .wrapper-2 {
42     margin: 0 auto;
43     background-color: #ffffff;
44     padding: 15px;
45     border: 3px solid #673AB7;
46     width: 75%;
47 }
48 h1 {
49     margin: 0;
50     font-size: 28px;
```

Figure: Some picture of code.

```
1  /*!  
2  * Bootstrap v2.2.2  
3  *  
4  * Copyright 2012 Twitter, Inc  
5  * Licensed under the Apache License v2.0  
6  * http://www.apache.org/licenses/LICENSE-2.0  
7  *  
8  * Designed and built with all the love in the world @twitter by @mdo and @fat.  
9  */  
10 .clearfix{*zoom:1;}.clearfix:before,.clearfix:after{display:table;content:"";line-height:0  
11 .clearfix:after{clear:both;}  
12 .hide-text{font:0/0 a;color:transparent;text-shadow:none;background-color:transparent;bord  
13 .input-block-level{display:block;width:100%;min-height:30px;-webkit-box-sizing:border-box;  
14 article,aside,details,figcaption,figure,footer,header,hgroup,nav,section{display:block;  
15 audio,canvas,video{display:inline-block;*display:inline;*zoom:1;}  
16 audio:not([controls]){display:none;}  
17 html{font-size:100%;-webkit-text-size-adjust:100%;-ms-text-size-adjust:100%;}  
18 a:focus{outline:thin dotted #333;outline:5px auto -webkit-focus-ring-color;outline-offse  
19 a:hover,a:active{outline:0;}  
20 sub,sup{position:relative;font-size:75%;line-height:0;vertical-align:baseline;}  
21 sup{top:-0.5em;}  
22 sub{bottom:-0.25em;}  
23 img{max-width:100%;width:auto\9;height:auto;vertical-align:middle;border:0;-ms-interpolati  
24 #map_canvas img,.google-maps img{max-width:none;}  
25 button,input,select,textarea{margin:0;font-size:100%;vertical-align:middle;}  
26 button,input{*overflow:visible;line-height:normal;}  
27 button::-moz-focus-inner,input::-moz-focus-inner{padding:0;border:0;}  
28 button,html input[type="button"],input[type="reset"],input[type="submit"]{-webkit-appearan  
29 label,select,button,input[type="button"],input[type="reset"],input[type="submit"],input[ty  
30 input[type="search"]{-webkit-box-sizing:content-box;-moz-box-sizing:content-box;box-sizing  
31 input[type="search"]::-webkit-search-decoration,input[type="search"]::-webkit-search-cance  
32 textarea{overflow:auto;vertical-align:top;}  
33 @media print{*text-shadow:none;important;color:#000;important;background:transparent
```

Figure: Some picture of code.

```
keyCode==38&&i>0&&i--&&b.keyCode==40&&i<d.length-1&&i++&&~i||i==0,d.eq(i).focus());var f=a.fn.dropdown;a.fn.dropdown=function(b){return this.each(function(){var d=a(this),e=d.data("dropdown");e||d.data("dropdown",e=new c(this)),typeof b=="string"&&e[b].call(d)});a.fn.dropdown.Constructor=c,a.fn.dropdown.noConflict=function(){return a.fn.dropdown=f,this},a(document).on("click.dropdown.data-api touchstart.dropdown.data-api",d).on("click.dropdown touchstart.dropdown.data-api",".dropdown form",function(a){a.stopPropagation()}).on("touchstart.dropdown.data-api",".dropdown-menu",function(a){a.stopPropagation()}).on("click.dropdown.data-api touchstart.dropdown.data-api",b,c.prototype.toggle).on("keydown.dropdown.data-api touchstart.dropdown.data-api",b+","+[role="menu"],c.prototype.keydown)}(window.jQuery),!function(a){function b(b,c){var d=a.proxy(this.process,this),e=a(b).is("body")?a(window):a(b),f=this.options.a.extend({},a.fn.scrollspy.defaults,c),this.$scrollElement=e.on("scroll.scroll-spy.data-api",d),this.selector=(this.options.target||f.a(b).attr("href"))&&f.replace(/.*(?#\s+)$/,"")||"#";this.$body=a("body"),this.refresh(),this.process()}b.prototype={constructor:b,refresh:function(){var b=this,c=this.offsets,a=[],d=this.$body.find(this.selector).map(function(){var c=a(this),d=c.data("target")||c.attr("href"),e=/^\w+\.test(d)&&a(d);return e&&e.length&&[e.position().top+b.$scrollElement.scrollTop(),d]||null}).sort(function(a,b){return a[0]-b[0]}).each(function(){b.offsets.push(this[0]),b.targets.push(this[1])}),process:function(){var a=this.$scrollElement.scrollTop()+this.options.offset,b=this.$scrollElement[0].scrollHeight||this.$body[0].scrollHeight,c=b-this.$scrollElement.height(),d=this.offsets,e=this.targets,f=this.activeTarget,g;if(a==c)return f!=(g=e.last()[0])&&this.activate(g);for(g=d.length;g-->0;f=e[g]&&a>d[g]&&!(d[g+1]||a<d[g+1])&&this.activate(e[g])),activate:function(b){var c,d;this.activeTarget=b,a(this.selector).parent("active").removeClass("active"),d=this.selector+'[data-target="'+b+'"]','+this.selector+'[href="'+b+'"]',c=a(d).parent("li").addClass("active"),c.parent(".dropdown-menu").length&&(c=c.closest("li.dropdown")).addClass("active"),c.trigger("activate")};var c=a.fn.scrollspy;a.fn.scrollspy=function(c){return this.each(function(){var d=a(this),e=d.data("scrollspy"),f=typeof c=="object"&&c||d.data("scrollspy"),e=new b(this,f),typeof c=="string"&&c(c)},a.fn.scrollspy.Constructor=b,a.fn.scrollspy.defaults={offset:10},a.fn.scrollspy.noConflict=function(){return a.fn.scrollspy=c,this},a(window).on("load",function(){a('[data-spy="scroll"]').each(function(){var b=a(this);b.scrollspy(b.data())});})(window.jQuery),!function(a){var b=function(b
```

Figure: Some picture of code.

```
1  /**
2  * @summary      DataTables
3  * @description  Paginate, search and sort HTML tables
4  * @version      1.10.0-dev
5  * @file         jquery.dataTables.js
6  * @author       Allan Jardine (www.sprymedia.co.uk)
7  * @contact      www.sprymedia.co.uk/contact
8  *
9  * @copyright   Copyright 2008-2012 Allan Jardine, all rights reserved.
10 *
11 * This source file is free software, under either the GPL v2 license or a
12 * BSD style license, available at:
13 * http://datatables.net/license\_gpl2
14 * http://datatables.net/license\_bsd
15 *
16 * This source file is distributed in the hope that it will be useful, but
17 * WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY
18 * or FITNESS FOR A PARTICULAR PURPOSE. See the license files for details.
19 *
20 * For details please refer to: http://www.datatables.net
21 */
22
23 /*jshint evil: true, undef: true, browser: true */
24 /*globals $,require,jQuery,define,_fnExternApiFunc,_fnInitialise,_fnInitComplete,_fnLang
25
26 (** @lends <global> */function( window, document, undefined ) {
27
28 (function( factory ) {
29     "use strict";
30
31     // Define as an AMD module if possible
32     if ( typeof define === 'function' && define.amd )
33         f
```

Figure: Some picture of code

```
File Edit Selection View GO Run Terminal Help Staff.php - tcms - Visual Studio Code
EXPLORER index.php Staff.php X
TCMS
  application > controllers > Staff.php
  118 /*
  119
  120
  121
  122
  123
  124
  125
  126
  127
  128
  129
  130
  131
  132
  133
  134
  Staff \ image
  135
  136
  137
  138
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  141
  142
  143
  144
  145
  146
  147
  148
  149
  public function update_staff($staff_id)
  {
    $staff_fullname = $this->input->post('staff_fullname');
    $staff_designation = $this->input->post('staff_designation');
    $staff_joining_date = $this->input->post('staff_joining_date');
    $staff_cnumber = $this->input->post('staff_cnumber');
    $this->update_image($staff_id);

    $this->db->set(array(
      'staff_fullname' => $staff_fullname,
      'staff_designation' => $staff_designation,
      'staff_joining_date' => $staff_joining_date,
      'staff_cnumber' => $staff_cnumber
    ));
    $this->db->where(array('staff_id'=>$staff_id));
    $this->db->update('tbl_staff');
    $this->session->set_flashdata('success', 'Updated Sucessfully');
    redirect('staff_list');
  }
  /*
  !-----
  ! Update Image
  !-----
  */
  public function update_image($staff_id)
```

Figure: Some picture of code.

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Introduction

I'll inspect how I apply these schemes. I will include Front end and back end implementation. All the implementations coming with modified particulars.

5.2 Implementation of Back-end and Front-end Design

My administration project is web based. So that there is a few functioning with the front end and back end format. So, for my web-based difficulties I have html, CSS, Bootstrap, jQuery for the front-end implementation and php, CodeIgniter framework for the back-end implementation

5.3 Test Execution

This is a web project that's why testing is all important for this administration establish the execution. It will aggregate overall function and could set the skill that software by input and output assessment. However, a test run may provide the feedback and a good deal time that could run the exact function. There is methodical a lot composition that could follow as coating. As this coating I have done some testing. They are following:

5.4 Unit Test

This method represents application as when the code is applying then the-developer checked out since first errors. So, I get confirmed while I am doing code and determined to find the inceptive faults.

5.5 Integration Test

I merged all back-end code and front-end. Then I examined this and if any sort of format is interrupted or not.

5.6 Function Test

Completely this provides that I picked for my covering initially. I completed all initial requisites from this project that desire to be. And all the objectives are tried one by one. Because the roles are the main essential part as a system. If system does not enterprise by rights and then the system will be attenuated.

CHAPTER 6

CONCLUSION

6.1 Conclusion

This initiative has given me a lot of chance to build code, test and executes an administration. This helps in building of different Software Engineering levels and Database Management ideas like keeping up uniformity of information. This also helps me to get familiar with HTML, CSS, Bootstrap, PHP and Personal Web Server. I would like to thank my mentors who have given me all direction and inspired me to finish this task effectively. Different highlights, which the Training Center Management administrations give, can be integrated into this Training Center Management System.

REFERENCES:

1. HTML available at: (<https://themeforest.net/category/site-templates>).
2. CSS available at: (<https://www.w3schools.com/CSS/default.asp>).
3. Bootstrap available at: ([https://www.w3schools.com/bootstrap/bootstrap_get_started,asp](https://www.w3schools.com/bootstrap/bootstrap_get_started.asp)).
4. SQL Server available at: (<https://www.microsoft.com/enus/download/details.aspx?id=42299>)
5. Training Management System: (<http://localhost/tcms/dashboard>).

APPENDIX**Plagiarism Result**

This below figure shows the plagiarism checking report: